

High performance additives for leather coatings

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Industrial & Transportation coatings

COATINO®



Natural vs. synthetic leather

Natural leather

- Natural product
- By-product of the meat industry
- More environmentally friendly production
- Good abrasion and tear-resistant
- Durability, unique scar structure
- Pleasant haptic

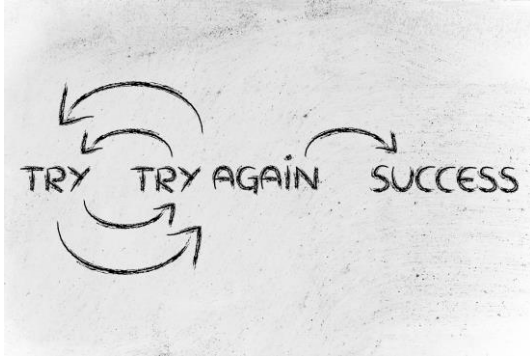


Synthetic leather

- No animal product
- No expensive lengthy production
- Price
- Easy to care for, washable
- High influence on the individual properties of the material



Challenges for leather coatings



- Defoaming
- Flow & Levelling
- Pigment wetting
- Rheology
- Substrate wetting
- Pleasant touch / haptic properties
- Anti dirt pickup
- Chemical resistance
- Rub resistance
- Anti squeaking properties
- Deep matte surfaces
- High transparency for black velvet effect

Defoamer

Highlights for waterborne leather coatings

High effective foam control with good longterm effect

Good balance of compatibility and efficiency

Compliance with numerous global regulations



- TEGO® Foamex 825 compatible, easy incorporation, longlasting effect
- TEGO® Foamex 810 very effective, especially for grinding, good against microfoam
- TEGO® Foamex 811/812 SVHC-free defoamer

Rheology Additives

Highlights for waterborne leather coatings

Viscosity control for perfect application conditions

Anti-settling properties for pigments, matting agents or fillers

Compatible and easy to incorporate



- TEGO[®] Viscoplus 3030 Perfect viscosity control by providing pseudoplastic flow behavior, APEO and tin-free
- AEROSIL[®] R 972 Excellent anti-settling properties
- AERODISP[®] WF 7620 Anti-sagging and Anti-setting, as well as pigment stabilisation

Dirt Pick Up

Highlights for waterborne leather coatings

Martindale methode: Determination of dirt pick-up of a leather coating



- TEGO® Glide 494 Special for leather, very good slip and dirt pick up effect, free of aromatic solvents and tin
- TEGO® Glide 496 100% product, used in a broad range of coatings with outstanding effectiveness
- SILIKOPUR® 8081 Air-drying waterborne silicone modified polyurethane dispersion, NMP-free

Matting agents

Highlights for waterborne leather coatings

Efficient matting

High jetness M_y at deep matte gloss level

Low influence on viscosity

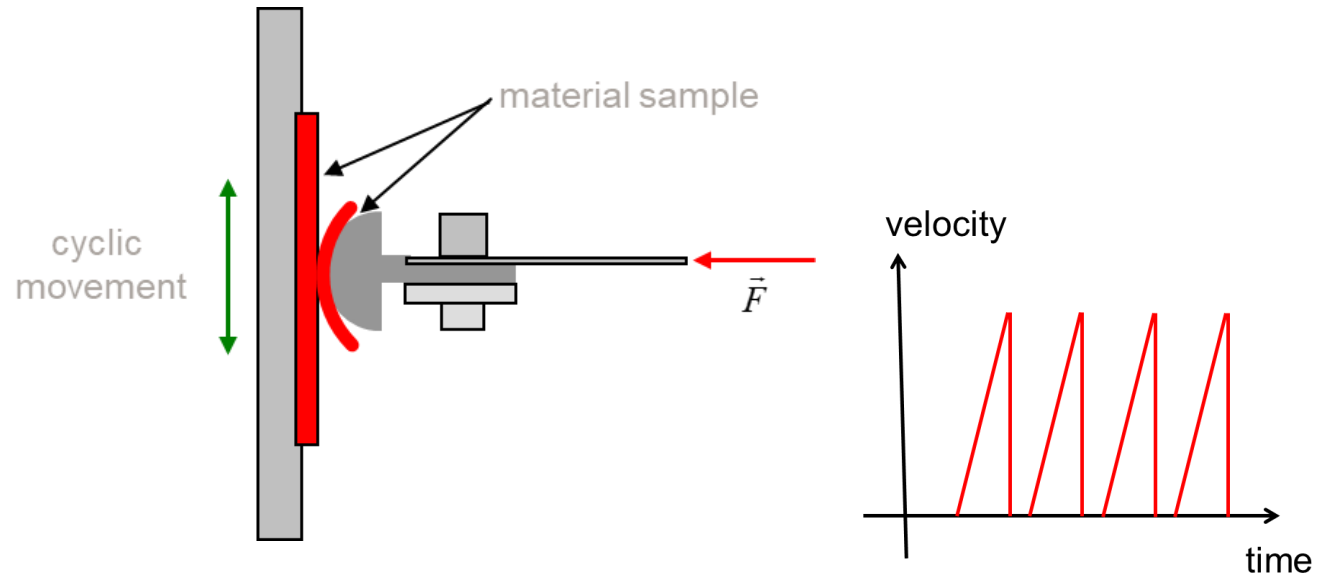
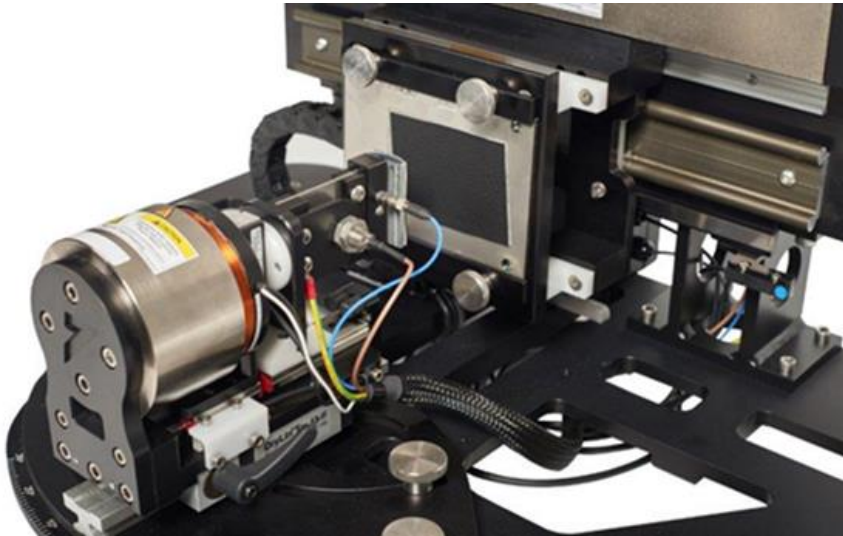


- ACEMATT® TS 100 high jetness/transparency, very good efficiency and good haptic
- ACEMATT® 3300 improved additional haptic properties, less influence of efficiency of organic thickeners
- ACEMATT® 3400 finer haptic properties than ACEAMTT® 3300, less influence of efficiency of organic thickeners

Anti-squeak

Highlights for waterborne leather coatings

Zins Ziegler Methode: Measure Squeak via stick-slip frequency in audible range



- TEGO® Glide 494

Special for leather, very good slip and anti-squeak properties free of aromatic solvents and tin

Haptic

Highlights for waterborne leather coatings

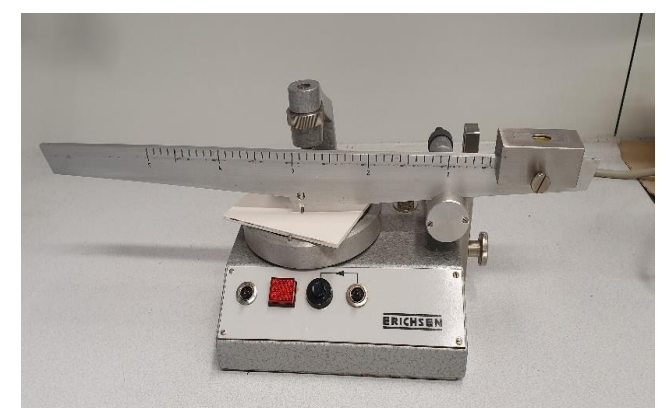


- TEGO® Glide 494 Very pleasant touch und natural appearance
- TEGO® Glide 490 Good touch paired with anti blocking
- TEGO® Glide 496 Pleasant touch and good resistances
- SILIKOPUR® 8081 Soft feel and water-repellent effect, NMP-free

- ACEMATT® TS 100 Very good haptic and high jetness My
- ACEMATT® 3300 Improved haptic properties with less influence of efficiency of organic thickeners
- ACEMATT® 3400 Good haptic properties due to finer particle size

Scratch and Abrasion Resistance

Highlights for waterborne leather coatings



- TEGO® Glide 496
- NANOPOL® C 750

provides a very good scratch and abrasion resistance due its very good and permanent slip functionalized colloidal nanosilica build up network for good scratch and abrasion resistance.

Special requirements

Highlights for waterborne leather coatings

Hydrophobing

- TEGO® Glide 496
- TEGO® Phobe 1409
- TEGO® Wet 280



Speaker template Option 2

- Fixed position
- 16:9 format
- 3,5 cm height

Coffee Test

- TEGO® Glide 496
- TEGO® Glide 410
- TEGO® Wet 260





EVONIK

Leading Beyond Chemistry